



December 3, 2018

To: Craig Samek, Pretreatment Coordinator csamek@sioux-city.org

Re: Notice of Violation(s), Permit #2016-31-l

Big Ox Energy (BOE) has been issued a Notice of Violation (NOV) for the following dates:

- November 2, 3, 4, 2018 (TSS)
 - These violations were due to plant water pressure not being to supply enough water pressure to the chemical coagulation skids for make down of polymer. Resulted in inefficient separation of solids in the GEM.
 - The facility booster pump was repaired on 11.16.2018 and will be added to the list of equipment that is maintenance in our CMMS program to ensure that water pressure stays sufficient enough for the plant to operate efficiently.
- November 12, 13, 2018 (TSS)
 - These violations were due to plant water pressure not being to supply enough water pressure to the chemical coagulation skids for make down of polymer. Resulted in inefficient separation of solids in the GEM.
 - The facility booster pump was repaired on 11.16.2018 and will be added to the list of equipment that is maintenance in our CMMS program to ensure that water pressure stays sufficient enough for the plant to operate efficiently.
- November 20, 2018 (TSS)
 - This violation was due to the GEM being brought offline for maintenance.
 - In the future all preventative maintenance shall be planned prior to the event so that the system can be brought down to manageable levels and to ensure that enough staff are onsite to complete the work with minimal impact to the quality of wastewater leaving the facility.

BOE continues to work on the operation of the wastewater treatment system to ensure the cleanest water possible is discharging and if there is an issue immediate notification to the City is made if a process issue arises. If you need anything else from us additionally, please let me know.

Respectfully,

Desiree McCaslen, Regulatory Compliance Director BOE

Cc: Bill Tyndall btyndall@netleasecapital.com
Rob Ernest renerest@bigoxenergy.com
Mark Simms msimms@sioux-city.org